SONY

3-756-304-22 (2)

Radio Cassette Player

WM-FX42/FX45

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Sony Corporation ©1992 Printed in Japan

WALKMAN

WALKMAN is a trademark of Sony Corporation.

Owner's Record

The model number is located on the bottom of the unit and the serial number is located inside the cassette holder.
Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Feature

AVLS (Automatic Volume Limiter System)

The AVLS selector allows you to limit the maximum volume of your WALKMAN personal stereo without degrading the sound quality.

- When the AVLS selector is set to either position 1 or 2 (around 95 dB, 85 dB respectively), the volume will be kept at a moderate level without the degradation of the sound quality, even if you attempt to turn the volume up higher.
- When the AVLS selector is turned off, you will be able to enjoy the full volume capabilities of your WALKMAN personal stereo.

Precautions

Handling your WALKMAN

- Operate the unit on 3 V DC.
  For AC operation and car battery operation, use the optional accessories recommended for this unit. Do not use any other equipment.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave the unit in a car parked in the sun.
- If the unit has not been used for a long period of time, set it in the playback mode for a few minutes before inserting a cassette.

Notes on headphones

Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

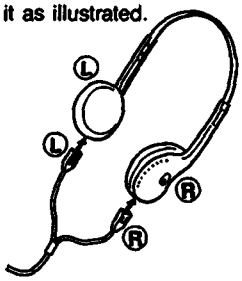
Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Note on stereo headphones

The cord of the headphones is a detachable type. If the cord is detached, connect it as illustrated.

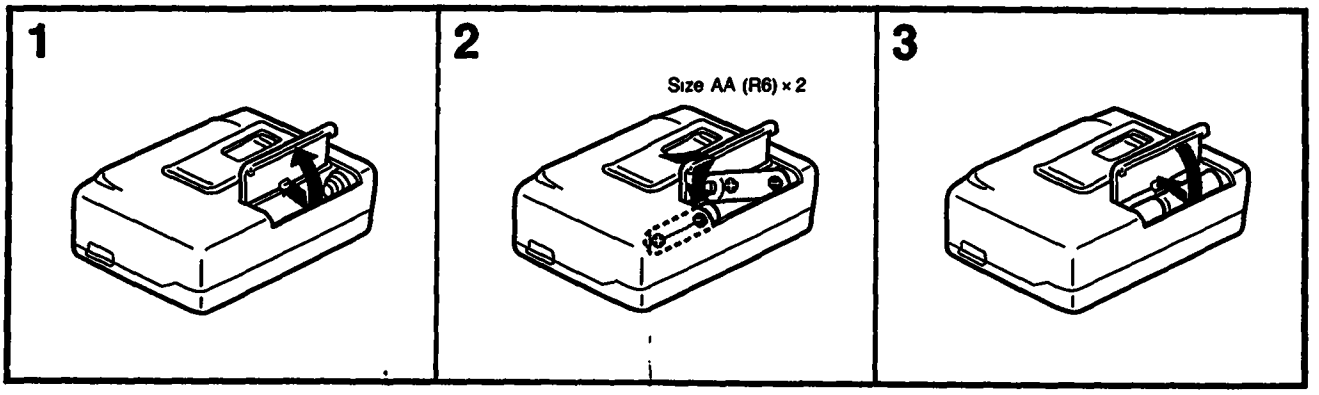


Note on cassettes longer than 90 minutes

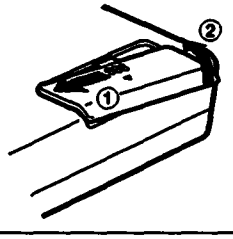
The use of cassettes longer than 90 minutes is not recommended except for long continuous playback.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Installing Batteries



If the battery compartment lid is detached by an accidental drop, excessive force etc., attach it as illustrated in the numbered order.



Notes on batteries

- Remove the batteries when you do not use the unit for a long period of time to prevent possible damage from battery leakage and subsequent corrosion.
- The internal batteries will be disconnected when you connect the unit to a 3 V DC power sources.
- When the batteries become weak, the BATT indicator will glow faintly and the sound will be distorted or unstable. In such a case, replace both batteries.

All the preset memories (time settings and preset stations) will be canceled so...

— when replacing the batteries, replace both batteries within 15 minutes.
— do not remove the batteries for at least 15 minutes once they are replaced.

External Power Sources

The following optional external power sources can be connected through the DC IN 3V jack.

- House current using an AC-E30L AC power adaptor
- 12 V car battery using a DCC-E130L car battery cord

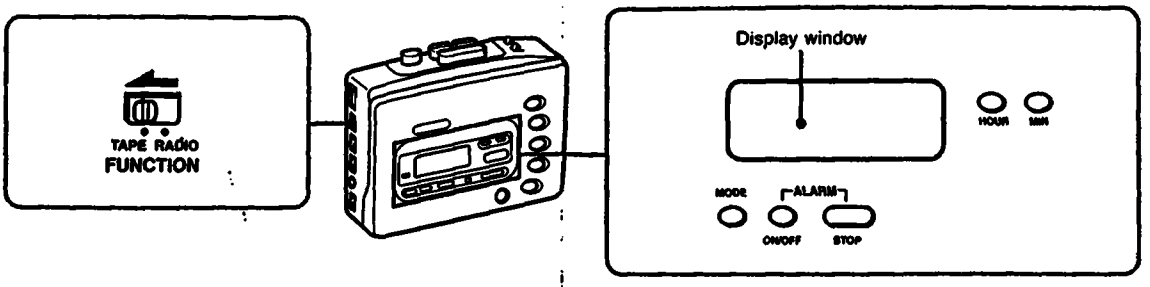
Note on the AC power adaptor

Use only the recommended accessories with plugs that have the same polarity as that shown in the illustration below.

Polarity of the plug

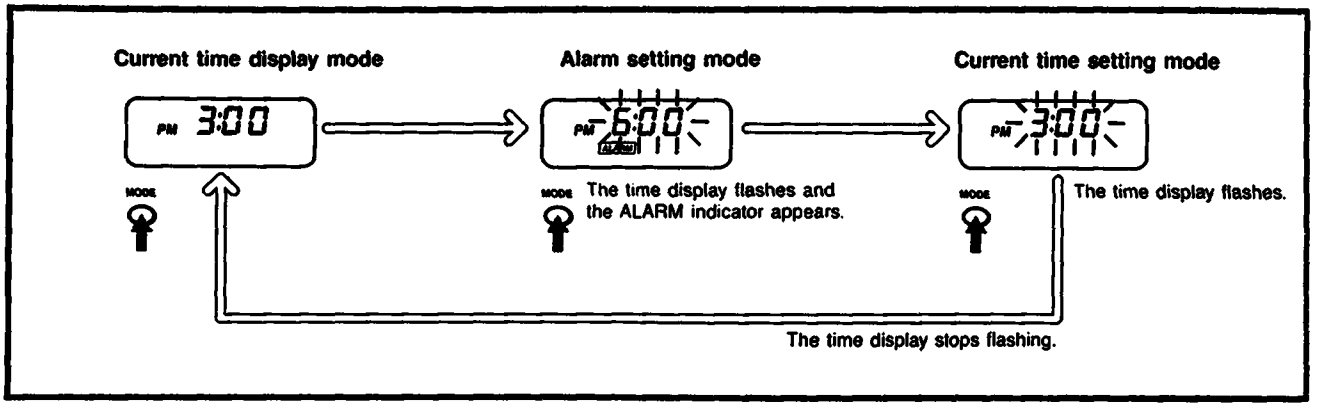
Clock Operation

Before starting clock operation, install the batteries and set the FUNCTION selector to the TAPE position.



How to Set the Various Modes

You can change the operation mode in sequence by pressing the MODE button.



Current Time Setting

Example: To set to 3:00 p.m.

1 **Enter the current time setting mode.**

Press twice.

2 **Set the time within 10 seconds of flashing.**

3 **Return to the current time display mode.**

Press once.

Alarm Time Setting

Example: To set to 6:00 p.m.

1 **Enter the alarm setting mode.**

Press once.

2 **Set the alarm time within 10 seconds of flashing.**

3 **Return to the current time display mode.**

Press twice.

4 **Set the alarm on.**

The ALARM and ON indicators appear.

To stop the alarm

- Even if you do not press the ALARM STOP button, the alarm will automatically stop after 10 minutes or so.
- The preset alarm time will not be canceled even if you press the ALARM STOP button.

To cancel the alarm

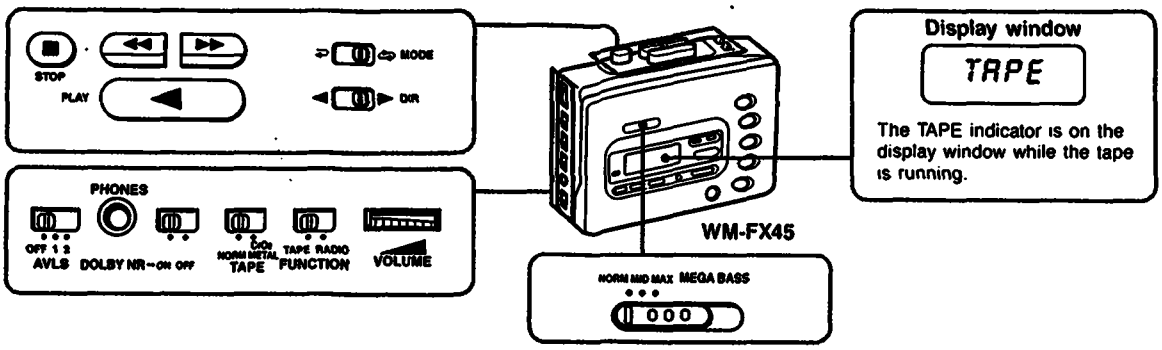
The ALARM and ON indicators will go off.

Notes

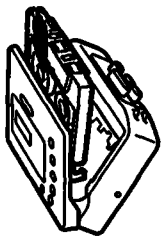
- If you keep pressing the HOUR and MIN (minute) buttons, the digits advance in sequence.
- The hour unit display does not advance even when the minute unit display returns to "00" after "59".
- You can hear the alarm from inside of the unit and also through the headphones when you operate the tape player or radio.
- The hour display is on a 12-hour cycle.

Tape Playback

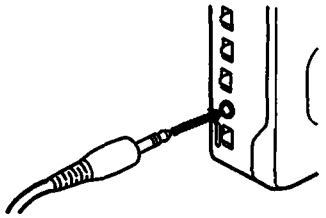
Before playback, set the FUNCTION selector to the TAPE position.



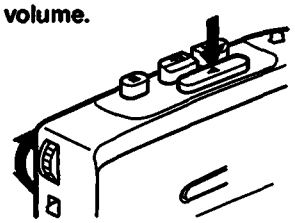
1 Insert a cassette.



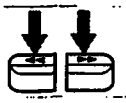
2 Connect the headphones.



3 Play the tape and adjust the volume.



Tape Operation

To stop the tape	
To listen to the other side of the cassette during playback	
To wind the tape rapidly	

Types of Tape

For normal (TYPE I) tapes	
For CrO_2 (TYPE II) tapes or metal (TYPE IV) tapes	
For Dolby B NR* processed tapes (for WM-FX45 only)	

*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation. (WM-FX45)

Playback Mode

To play both sides of the cassette once If you begin playback on the reverse side, the unit will shut off at the end of that side of the tape.	
To play both sides of the cassette repeatedly	

Listening to Heavy and Powerful Sound —MEGA BASS function

Set the MEGA BASS selector to the MID or MAX position. Bass sound will be boosted in order. The NORM position is normal sound.	

Note on MEGA BASS

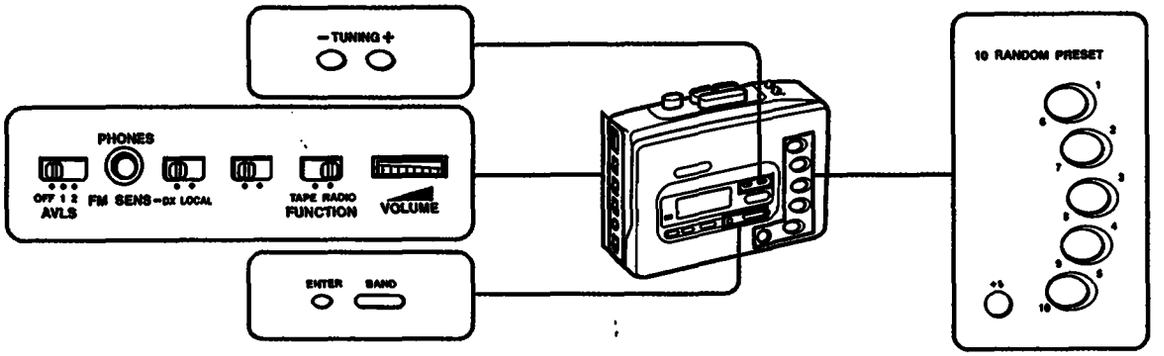
If the AVLS selector is set to 1 or 2, the MEGA BASS effect is reduced.

Notes on playback

- The foam polyethylene spacer placed inside the cassette holder protects the mechanism when the unit is transported without a cassette inside. Remove the spacer before using the unit.
- At the end of the reverse side, the ◀ PLAY button will be released automatically in case that the MODE selector is set to the ⇄ position. After winding the tape with the ◀◀ or ▶▶ button, you must press the ■ STOP button.
- Do not open the cassette holder while the tape is running.
- The DIR (direction) selector functions even in the stop mode.
- When the batteries are exhausted during playback, be sure to press the ■ STOP button.

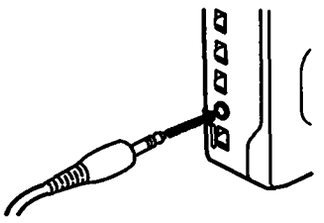
Radio Reception

Before radio reception, set the FUNCTION selector to the RADIO position.



Example: To listen to FM 101.9 MHz

1 **Connect the headphones.**

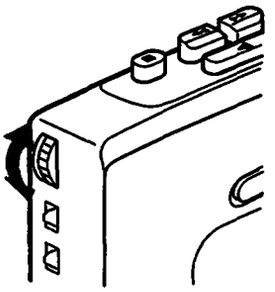


2 **Select the band.**

3 **Tune in the station.**

For higher frequency	+
For lower frequency	–

4 **Adjust the volume.**



To stop the radio reception

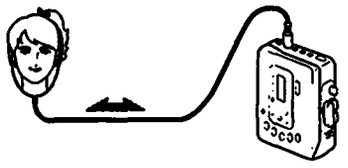
Set the FUNCTION selector to the TAPE position.

Scan operation

- When you press the TUNING – or + button for more than half a second, the automatic tuning begins, and then automatically stops everytime a station is received.
- To stop the automatic tuning, press the TUNING – or + button again.
- When scanning reaches the highest frequency of the band during the automatic tuning, the display of the unit will return to the lowest frequency of that band and the unit will continue to scan.

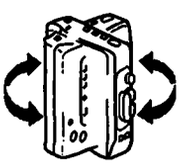
To Improve Receiving Condition

FM



Since the headphones cord serves as an FM antenna, extend it for better reception.

AM



Since AM reception is affected by the direction of the unit, rotate the unit horizontally for optimum reception.

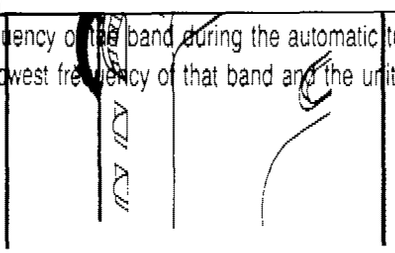
To Improve FM Sensitivity

Use the FM SENS selector.
For FM reception, normally set it to the DX position. If a very strong station signal causes noise, set it to the LOCAL position. The noise will be reduced.

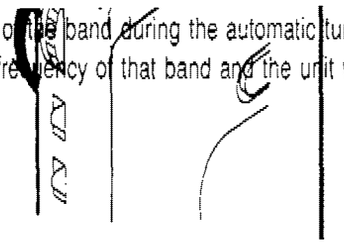
Notes

- The automatic tuning function may occasionally miss the best tuning point for a radio station. If this happens, press the TUNING – or + button to adjust the tuning.
- Remove a cassette with a metallic cassette shell or labels. Such cassettes may cause interference or difficulty in tuning.

ning reaches the highest frequency of the band during the automatic tuning,
of the unit will return to the lowest frequency of that band and the unit will
scan.



• When scanning reaches the highest frequency of the band during the automatic tuning,
the display of the unit will return to the lowest frequency of that band and the unit will
continue to scan.



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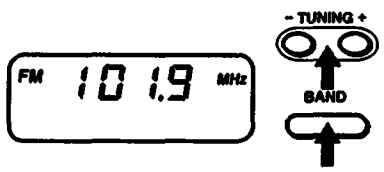
Preset Tuning

You can preset up to 10 stations on FM and/or AM.
To preset or to receive stations on buttons 6 to 10, first press the +5 button and then press the buttons 1 to 5. The +5 indicator appears on the display window and goes off after 5 seconds together with the PRESET indicator.

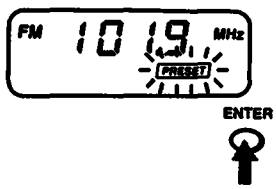
Presetting the stations

Example: To preset FM 101.9 MHz on the preset 3 button

1 Tune in a desired station.



2 Enter the presetting mode.



The PRESET indicator appears and starts flashing.

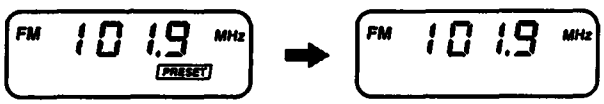
3 Store the station into the memory.

The PRESET indicator will go off after 8 seconds.

To stop the presetting procedure just after pressing the ENTER button, press the button again. The PRESET indicator will go off.

Receiving the preset stations

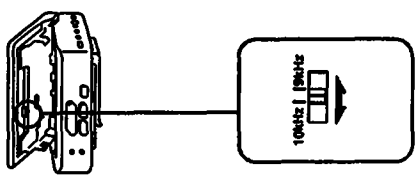
1 Set the FUNCTION selector to the RADIO position.
2 Press the corresponding preset button to receive the desired station.



The PRESET indicator appears and goes off after 5 seconds.

To Change the AM Tuning Interval

The AM tuning interval is factory preset to 10 kHz in order to match the local frequency allocation system. If you use the receiver in an area where the frequency allocation system is based on 9 kHz interval, change the position of the switch with a thin instrument.



Note

If you change the interval, the memories of all the preset stations, the current time and the alarm time will be canceled.

If the display shows incorrect information

When you use the unit for the first time or when you have left the unit without batteries for a long period of time, the display may show incorrect information or the preset stations may not be received correctly. If this happens, set the switch which is illustrated on the left to the other position with a thin instrument, and reset it to the original position. The memories of all the preset stations, the current time and the alarm time will be canceled.

Specifications

Radio section

Frequency range	FM: 87.5 – 108.0 MHz (100 kHz step) AM: 530 – 1,710 kHz (10 kHz step)
Antennas	FM: Headphone cord antenna AM: Built-in ferrite bar antenna

Tape player section

Frequency response	40 – 15,000 Hz (NORM, CrO2/METAL)
Power output	5 mW + 5 mW 16Ω at DC operation Headphones (stereo minijack): load impedance 8 – 300Ω
Power requirements	3 V DC Two size AA (R6) batteries DC IN 3V jack accepts: Optional Sony AC-E30L AC power adaptor for use on 120 V AC, 60 Hz Optional Sony DCC-E130L car battery cord for use with 12 V car battery

Battery life (hours)

	Playback	Radio
Sony alkaline AM3 (N)	11	32
Sony SUM-3 (NS)	4	13

Dimensions	Approx. 117.3 × 85.7 × 37 mm (w/h/d) (4⅝ × 3⅜ × 1½ in.) not incl. projecting parts and controls
Mass	Approx. 250 g (8.9 oz.) incl. batteries and belt clip
Accessories supplied	Stereo headphones (1) Belt clip (1)

Design and specifications subject to change without notice.

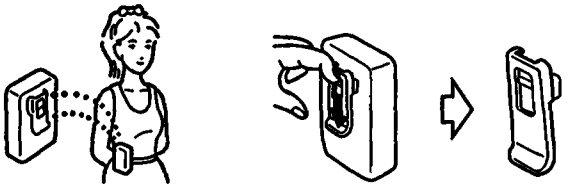
Optional accessories

AC power adaptor AC-E30L
Car battery cord DCC-E130L

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

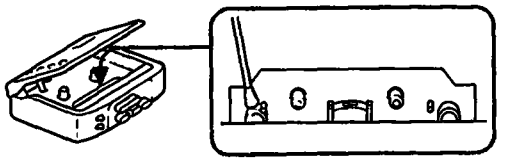
Using the belt clip

You can carry your WALKMAN with the belt clip.



Cleaning

- To enjoy the optimum stereo sound, wipe the head, capstans and pinch-rollers with a cotton swab moistened with alcohol after every 10 hours of use.



- Keep the plug of your headphones clean to obtain the optimum stereo sound. Wipe it with a dry, soft cloth.
- Do not use alcohol, benzine or thinner to clean the exterior of the unit.

SONY

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC STILL VIDEO CAMERA
AND PLAYBACK ADAPTOR

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants the product against defects in material or workmanship, as follows:

1. For a period of 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After the 90-day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90-day period, you must take the product, or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service center, at your expense.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence to the product, including the antenna. This warranty is valid only in the United States of America.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is valid only if the serial number appears on the product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership so within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

Important: If returning product for service, please see reverse side of this card for your nearest Sony Service Center.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7669)
714-821-SONY (7669)
708-250-SONY (7669)
or write to
Sony Customer Information Center
Sony Drive, Mail Drop #TI-11
Park Ridge, NJ 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona
Phoenix
2240 North Scottsdale Road
Tempe, AZ 85281
(602) 949-7669

California
Burbank (Los Angeles area)
4100 Riverside Drive, Suite A
Burbank, CA 91505
(818) 842-7669

Costa Mesa (Orange County area)
2728 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4833

San Bruno (San Francisco area)
751 Camino Plaza
San Bruno, CA 94066
(415) 871 2810

San Diego
8975 Complex Drive
San Diego, CA 92123
(619) 279 2724

San Jose
1359 Old Oakland Road
San Jose, CA 95112
(408) 280 7669

Colorado
Denver
Havana Plaza Center
10740 East 6th Avenue
Aurora, CO 80014
(303) 755 7669

Florida
Fort Lauderdale
2850 North 28th Terrace
Hollywood, FL 33020
(305) 920 5600

Georgia
Atlanta
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953 5871

Hawaii
Honolulu
950 Mapunapuna Street
Honolulu, HI 96819
(808) 834 6622

Illinois
Chicago
1730 West Fullerton, Suite 4
Rivergate Shopping Center
Chicago, IL 60614
(312) 929-8585

Niles (Chicago NW)
7540 North Caldwell Avenue
Niles, IL 60648
(708) 647 2400

Westmont (Chicago SW)
8036 38 South Cass Avenue
Westmont, IL 60559
(708) 968 0049

Kansas
Kansas City
11712 West 95th Street
Overland Park
KS 66214
(913) 888 2622

Maryland (Washington D.C.)
Washington D.C.
5300 Sunnyside Avenue
Beltsville, MD 20705
(301) 595-1818

Massachusetts
Boston
350 University Avenue
128 Westwood Industrial Center
Westwood, MA 02090
(617) 329 5130

Michigan
Detroit
43304 Eleven Mile Road
Novi, MI 48050
(313) 344 4044

Minnesota
Minneapolis
4300 W 36th Street
St Louis Park, MN 55416
(612) 920 8000

Missouri
St Louis
12462-D Natural Bridge Road
Bridgeton, MO 63044
(314) 291-2201

New Jersey
Mahwah (N.Y. Metropolitan Area)
386 Route 17 South
Mahwah, NJ 07430
(201) 529-1855

Union
Bradlees Shopping Center
US Highway 22 At Morris Avenue
Union, NJ 07083
(201) 687-5565

Ohio
Cleveland
6370 York Road
Parma Heights, OH 44130
(216) 845-7669

Pennsylvania
Philadelphia
651 Park Avenue
King of Prussia PA 19406
(215) 768 8850

Pittsburgh
Westord Place
10610 Perry Highway (Rt. 19N
Wexford, PA 15090
(412) 935 8466

Texas
Dallas
401 Preston Valley Shopping Center
Dallas, TX 75230
(214) 661-3537

Houston
7039 Westheimer
Houston, TX 77063
(713) 783 6761

Washington
Seattle
835 Pontigo
Seattle, WA 98108
(206) 762-6500

Sony District Service Offices

Western Zone

Western District
Sony Service Company
2728 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4836

Northwestern District
Sony Service Company
1359 Old Oakland Road
San Jose, CA 95112
(408) 280 7675

Southwestern District
Sony Service Company
2201 Premier Dr. Suite 100
Irving, TX 75063
(214) 550 5270

Central Zone

Mid-West District
Sony Service Company
1200 N. Arlington Heights Rd
Itasca, IL 60143
(708) 773-7666

East Central District
Sony Service Company
26700 Town Center Drive,
Suite 300 Novi, MI 48050
(313) 347-2251

Eastern Zone

Eastern District
Sony Service Company
386 Route 17 South
Mahwah, NJ 07430
(201) 529 1616

Mid Atlantic District
Sony Service Company
651 Park Avenue
King of Prussia, PA 19406
(215) 768 8845

Southeastern District
Sony Service Company
120 Interstate North Parkway East
Suite 414
Atlanta, GA 30339